

From: ["Congdon, Julie"](#)
To:
Date: 12/27/2019 3:14:29 PM
Subject: Updates from EPA's work on the Duwamish cleanup

Hello!

Happy Holidays – The longest night in the Northern Hemisphere behind us, and we are heading for a new year!



A tree grows in Boeing (restoration site)

Here are some updates on EPA's cleanup work...

Upper Reach Remedial Design: A draft Quality Assurance Project Plan (QAPP) that specifies sampling methods and locations and requirements for laboratory analysis is in review. Field work will take place in spring, after EPA approval of the QAPP. For more information, please contact Elly Hale at (206) 553-1215.

Carbon Amendment Pilot Study: EPA has completed year 2 data collection and the data is now being evaluated. Like year 1, the Year 2 results show that enhanced natural recovery, whether with activated carbon (AC) or without, has reduced sediment contamination in the biologically active zone. In Year 3, monitoring plans include a benthic survey (measuring numbers and types of benthic organisms) and lab studies of PCB uptake in benthic organisms. For more information, please contact Elly Hale at (206) 553-1215.

Draft Pre-Remedial Design Data Evaluation Report: The data evaluation report summarizes and interprets waterway-wide baseline sampling of sediment, water, fish, crabs, and clams done in 2017 and 2018. A draft final data evaluation report is in review. For more information, please contact Elly Hale at (206) 553-1215.

Slip 4 Early Action Area: A report summarizing the Year 7 (2019) monitoring is in review. The report includes a graphic showing data for PCBs, phthalates, and other key contaminants at the sample locations over time. The next monitoring is in Year 10 (2022).

Terminal 117 Early Action Area: The results of sediment sampling completed in 2019 will be presented in a draft report due March 2020.

Earle M. Jorgensen Forge (EMJ) Early Action Area: EMJ contractors completed sediment sampling this spring to help determine the extent of PCB and metals contamination remaining after two seasons of dredging and to assess the possibility of recontamination over time. EMJ anticipates providing a draft report on this recent sampling work before the end of 2020. For more information, please contact Brad Martin at (206) 553-4029.

Terminal 108: In 2019, the Port of Seattle completed a preliminary assessment of this property, located on the east side of the waterway near Harbor Island. Next steps for this site are to prepare an Engineering Evaluation/Cost Analysis (EE/CA) that studies and evaluates options for cleanup (called a "removal action"). For more information, please contact Anne Christopher at (503) 356-6554.

Rhone Poulenc: An ongoing pilot study continues to show effectiveness of carbon dioxide addition to lower the pH of groundwater. For more information on this site, please contact Janette Knittel at (206) 553-0483.

And for sediment sites near Harbor Island, adjacent to the Lower Duwamish Waterway site ...

Lockheed West Seattle: Lockheed Martin completed all the dredging required within 15 acres of the 40-acre site. They are currently placing filter rock and riprap on the banks and shorelines and placing Enhanced Natural Recovery/Residual Management Layer throughout the whole site. This work is expected to be finished by mid-February 2020. For more information, please contact Piper Peterson at (206) 553-4951.

East Waterway: EPA plans to issue a Proposed Plan for sediment cleanup in the East Waterway portion of the Harbor Island Superfund site for public comment this spring. For more information, please contact Ravi Sanga at (206) 553-4092.

Pacific Sound Resources: PSR continues to be in long-term monitoring and maintenance. The [third five-year review](#) for this site was completed in 2018. For more information, please contact Ravi Sanga at (206) 553-4092.

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For other announcements and updates, please visit **EPA's Duwamish Facebook** page at <https://www.facebook.com/epaduamish/>.

And for information about safe fish consumption from the Lower Duwamish Waterway, please visit the ["Fun to Fish / Toxic to Eat" Website](#).

For information on **Washington Department of Ecology's cleanup work** in the Lower Duwamish Waterway, please visit <https://ecology.wa.gov/Spills-Cleanup/Contamination-cleanup/Cleanup-sites/Toxic-cleanup-sites/Lower-Duwamish-Waterway>.

You can also subscribe to its email listserv for periodic updates on their source control and cleanup work in the Duwamish: <http://listserv.ecology.wa.gov/scripts/wa-ECOLOGY.exe?A0=DUWAMISH-RIVER-UPDATES>

For information on the **Community Advisory Group**, please contact the Duwamish River Cleanup Coalition/Technical Advisory Group (DRCC/TAG) at: [duwamishcleanup.org](mailto:contact@duwamishcleanup.org)  
e-mail to: [contact@duwamishcleanup.org](mailto:contact@duwamishcleanup.org), or phone: 206-954-0218.

### **Spill in the waterway?**

If you see signs of a spill in the waterway, please report it by calling 1-800-OILS-911 (Department of Emergency Management 24/7). This helps the appropriate responders assess the situation and respond before it spreads.

<https://ecology.wa.gov/Spills-Cleanup/Spills/Spill-preparedness-response>

Know your responsibilities if you cause a spill.

<https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Spills-If-you-spill>

<https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Spills-If-you-spill#cleanup>